Acer Altos Solutions

Acer Altos R520 M2
Rack-optimized computing

The new, unadorned and powerful structure that draws focus to its function reflects the dependability of the Acer Altos R520 M2 server, a rack optimised solution, which integrates smoothly into any standard based computing environment. Powered by the latest Intel® processors, ultra-fast DDR3 memory, integrated RAID and hot-pluggable HDDs, the Altos R520 M2 is a 1U rack server that can easily act as an email, web-application, file server or any other type of office server. Installing an optional SAS RAID card can bring enterprise-level RAID to any work environment.

SIMPLIFIED SET-UP
The entire Acer Altos range comes equipped with Acer Easybuild, a software suite that simplifies installation and set-up thanks to an intuitive user interface that provides an easy-to-follow process to configure the system.

HIGH-EFFICIENCY POWER SUPPLY
The Altos R520 M2 features a high-efficiency power supply and an intelligently designed cooling system making it ideal for easy deployment in a wide a range of environments and delivering excellent cost efficiency.

TOTAL RELIABILITY
With redundant fans and power supplies, RAID monitoring, TPM-based data protection and automated file backup and restore, the Altos R520 M2 offers superior availability and reduced downtime.

ENHANCED MANAGEABILITY
Acer Server Manger ensures easy management, while remote management solution is provided through KVM technology, which reduces time and effort spent on troubleshooting and maintenance costs.

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HIGHLIGHTS:

- Superior reliability
- Cutting-edge technology
- Complete system management

ACER ALTOS R520 M2 SPECIFICATIONS

Processor	One or two Intel® Xeon® processor 5500 series • Up to 2.93 GHz • 4.80/5.86/6.40 GT/s QPI • 4MB L3 shared cache (4.80 GT/s versions) • 8MB L3 shared cache (5.86 and 6.40 GT/s versions) • 800/1066/1333 DDR3 memory • Intel® Turbo Boost Technology (supported on 5.86 and 6.40 GT/s QPI versions only) • Intel® Virtualization Technology (Intel® VT) • Intel® QuickPath Technology up to 6.4 GT/s • Hyper-Threading Technology (supported on 5.86 and 6.40 GT/s QPI versions only) • Intel® 64 Technology
Chipset	Intel® 5520 chipset
VGA	Embedded graphics controller with 32 MB of video memory
Memory	Twelve DDR3 1333 MHz ECC unbuffered/registered DIMMs (six DIMMs per processor), supporting: • Six-channel memory bus (three channels per processor) • 1 to 8 GB registered DIMMs for up to 96 GB of total system memory or 1 to 4 GB unbuffered DIMMs for up to 48 GB of total system memory • Supports ECC, memory mirroring, lockstep mode
Expansion slots	Full-height riser slot: • One PCI Express® 2.0 x16 slot Low-profile riser slot: • One PCI Express® 2.0 x8 slot
Onboard I/O	Two PS/2 ports Serial port Five USB 2.0 ports (four in rear and one in front) Two Gigabit Ethernet (RJ-45) ports Fast Ethernet (RJ-45) port for management VGA port
RAID	Integrated six-port SATA with software RAID 0, 1, 10 support
SATA2	Six SATA2-300 ports onboard
SAS	Optional SAS HBA or SAS RAID add-on card
LAN controller	Integrated dual port Gigabit Ethernet supporting Intel® I/O Acceleration Technology Integrated single-port 10/100 Fast Ethernet for BMC and KVM management
Security and service features	Power status LED/Button HDD/ODD activity LED LAN activity LEDs System status LED System ID LED/Button Chassis intrusion alert Lockable door
Security	Mechanical lock (front bezel) Chassis intrusion detection support
System power supply	650 W 1+1 (80% power efficiency) power supply, AC input operating voltages 100-127 VAC and 200-240 VAC, frequency 50/60 Hz (can be upgraded with second power module for hot-swap and redundancy)
Cooling system	14 fans (N+1 redundant)
Storage	Up to eight 2.5" SAS/SATA hot-plug HDDs Slim DVD writer
Form factor	1U rack-mountable Altos R Series tool-less sliding rail and cable arm (default bundled)

Dimensions	43.5 (H) x 430 (W) x 710 (D) mm (without front bezel) 43.5 (H) x 430 (W) x 745 (D) mm (with front bezel)
Weight	12.4 kg
Safety	UL, Nemko GS, CB
EMI	FCC Class A, BSMI, CE
Server management utilities and applications	IPMI 2.0 TPM v1.2 Built-in Altos eXpress Console for server management and KVM over IP remote management Acer EasyBUILD™ v9.0 Acer Server Manager (ASM)
Operating system support	Microsoft® Windows® Server 2008 Standard and Enterprise Edition (x86) Microsoft® Windows® Server 2008 Standard and Enterprise Edition (EM64T) Microsoft® Windows® Server 2003 Standard and Enterprise Edition (x86) Microsoft® Windows® Server 2003 Standard and Enterprise Edition (EM64T) Red Hat® Enterprise Linux 5.2 (x86) Red Hat® Enterprise Linux 5.2 (EM64T) Novell® SuSE® Linux Enterprise Server 10 SP2 (x86) Novell® SuSE® Linux Enterprise Server 10 SP2 (EM64T) VMware ESX server 4.0

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